- 1 49. A method for forming an electrical structure; comprising:
- 2 providing a dielectric core;

just is

- 3 helically winding a conductive wiring circumferentially around the dielectric core;
- 4 forming an outer dielectric jacket around the conductive wiring; and
- 5 cutting at an angle to an axis of the dielectric core, through the dielectric jacket and
- 6 through the conductive wiring and through the dielectric core, at two locations along the axis,
- 7 leaving a conductive button between the two location as having a first end and a second end,
 - wherein the conductive wiring terminates in at least two end contacts at the first end, and wherein
 - the conductive wiring terminates in at least two end contacts at the second end.
 - 50. The method of claim 49, wherein the helically winding includes braiding.
- 51. The method of claim 49, wherein the helically winding includes serving.
- 1 52. The method of claim 49, wherein the helically winding includes helically winding in no more
- 2 than one rotational direction, and wherein the one rotational direction is selected from the group
- 3 consisting of a clockwise direction and a counter clockwise direction.
- 1 53. The method of claim 49, wherein the helically winding includes helically winding a portion
- 2 of the conductive wiring at a helical angle between about 30 degrees and about 60 degrees with
- respect to an axis of the button.

- 54. The method of claim 49, wherein the cutting includes cutting through a node of two wires of 1
- 2 the conductive wiring.
- 55. The method of claim 49, further comprising coating the at least two end contacts of the 1
- conductive wiring at the first end of the button with a noble metal. 2
- 56. The method of claim 49, wherein the cutting includes cutting by lasering. 1
- 57. The method of claim 49, wherein the cutting includes cutting by electrical discharge machining (EDM).
- 58. The method of claim 49, further comprising forming axial grooves along an outer surface of the dielectric core.
- 59. The method of claim 49, further comprising forming an axial through hole at a radial center 2 of the dielectric core.

1 60. A method for forming an electrical structure, comprising: 2 providing a dielectric core; 3 helically winding a conductive wiring circumferentially around the dielectric core; 4 forming an outer dielectric jacket around the conductive wiring; 5 cutting at an angle to an axis of the dielectric core, through the dielectric jacket and through the conductive wiring and through the dielectric core, at two locations along the axis, 6 leaving a conductive button between the two location as having a first end and a second end, 7 8 wherein the conductive wiring terminates in at least two end contacts at the first end, and wherein the conductive wiring terminates in at least two end contacts at the second end; providing a first substrate and a second substrate; 11 mechanically and electrically coupling the at least two end contacts at the first end of the 12 button to a conductive pad of the first substrate; and 13 mechanically and electrically coupling the at least two end contacts at the second end of 14 the button to a conductive pad of the second substrate. 61. The method of claim 60, wherein the first substrate includes a printed wiring board, and 1 2 wherein the second substrate includes an electronic module. 62. The method of claim 60, further comprising: 1 after the cutting, placing the button in a dielectric place holder such that place holder 2 3 holds the button in place; and